

ABSTRACT OF THE DISCLOSURE

In an SCR apparatus mounted on a vehicle, the concentration of a reducing agent or a precursor thereof contained in an aqueous solution of the reducing agent or the precursor is accurately detected. In sensing the concentration, whether or not the urea water stored in a storage tank is in a stationary state is determined. Only it is in a stationary state, the concentration is detected. The determination of whether or not it is in a stationary state or not is preferably determined by determining whether the vehicle is stopped (S207) and that the period of time TIM that has elapsed after the stoppage has reached a predetermined stationary time TIM1 (S211). The deceleration DCL of the vehicle before stoppage thereof is detected, and the stationary time TIM1 is altered in accordance with the deceleration DCL (S206).